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P. W **DEPARTMENT**
El. (K) **BRANCH**

Subject:— Conference

Power Engineer's Conference at

New Delhi

Agenda, proceedings etc.

B [K] - 1950

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Etd. Sectt. Slip. 24 A

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Correspondence

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References :—

Original file is sent to Maharastra.

Date.	To whom sent.	Notes and instructions.

RESOLUTIONS PASSED AT THE POWER ENGINEERS' CONFERENCE AT NEW DELHI FROM 21st TO24th FEBRUARY 1949

Resolution No.I.

Having regard to the extreme inadequacy of the present allotment of steel for Power Projects, which is approximately 32,000 tons per annum, this conference recommends to the C entral Government that arrangements may be made for the annual importation of 60,000 tons of steel for the next five years for the purpose of Electric Power Projects under construction to enable them to be completed according to Sehedule.

It further recommends that having regard to the comparatively higher cost of imported steel, the estra cost of such steel be spread over the entire steel consumptionin India.

RESOLTION NO.II

This conference recommends that special facilities must be afforded for expediting transports of materials required for the execution and maintenance of the Power Projects, as delays now experienced are resulting in disproportionately increased construction costs and that the Central Electricity Commission should arrange for full time supervision of the allocation of transport facilities for moving construction materials and machinery required for execution and maintenance of these projects.

RESOLUTION NO. III

In view of the difficulties being experienced by all Provincial and State Governments owing to the large amounts of advance payments required by all suppliers of heavy power plants, long before such plant is due for shipment forn the factories this conference resolves that the Government of India should negotiate with appropriate authorities for .....

for procuring terms of payment, as favourable as possible,

RESOLUTION NO.IV.

Resolved that in view of large scale development of electric power projects in the country, the schedule of electrical goods required for generation, transmission and distrubutionof electric power, import of which is restricted, be examined by the Central Electricity Commission and the Central Government be advised to remove or relax the restrictions on the import of such essential goods from at least soft currency areas.

This Conference further recommends that all items of materials required to be improted for electric power projects(including those required for generation, transmission and distributionof electrical energy) be charged at the concessional rate of duty,which is at present applied to certainitems of Heavy Power Plant only.

RESOLUTION NO. V

Executionof large termal and multi-purpose river development and hydel power projects in different parts of the country is progressing and wide areas, inside and outside corresponding administrative jurisdictions but within economical transmission distances of such power stations are anxious to avail themselves of power.This Conferance is of the opinion that it would be in the best interests of the rapod and economical development of wide areas in the country for the various Provinces and the Central Government, immediately to set up Provincial Electricity Boards and the Central Electricity Authority as called for in the Electricity(Supply)Act, 1948.These bodies could promptly and effectively deal with various technical, commercial and administrative problems arising out of co-ordinated building,operating and loading of large power systems.

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RESOLUTION NO. VI.

All Provinces and States are taking stock of their power resources and are planning and constructing large thermal and hydro power stations for generating power economically. These plannings and constructions include extensive transmission and distribution lines so as to facilitate location of power consuming industries along highways and railway lines. As utilization of power from such large regional power transmission systems for main line railway electrifications present many inherent economies, this Conference is of the opinion that the railway authorities should initiate plans now concurrently with power system plannings, to electrify the main and suburban sections of the railways whereever economies may be had immediately or very early, in required increased transport facilities and/or saving of coal and reduction of railway coal traffic and substitution thereof by revenue traffic. The Conference particularly desires that the electrifications of the following setions of Railways be expedited to the greatest possible extent, as they learn that all these projects have reached advanced stages of investigation and co-ordination with the local power systems:

Howrah-Mogulsarai (E.I.R.)
Igatpuri-Bhusaval (G.I.P)
Virar-Ahmedbad (B.B. & C.I.)
Poona-Dhond (G.I.P.)
Bangalore-Mysore. (M.R.)
Tambaram- Chingleput (S.I.R.)
Arkonam-Villupuram (S.I.R.)

RESOLUTION NO. VII

This conference has reviewed the progress made in rural electrification in different parts of India and is impressed with the results achieved in the United Provinces, Madras, Mysore and Travancore, where large regional transmission systems have been in operation intergrating their services in urban and rural areas under singel self-supporting administrations and recommends adoption....

adoption of similar practices elsewhere.

The Conference appreciates that rural electrification in Indai means extension of power supply to over 90% of the population of the country, who do not how have this means of increasing their productive capacity and raising their standard of living. The Conference is of the opinion that all reasonable steps should be taken to achieve substantial progress in this direction as soon as possible.

The planning of rural electrification should be carried out in close co-operation with those who are planning industrial development, ground and surface whater irrigation, model colonies, trading estates and co-operative communities.

Tt is essentail to keep the cost of construction down for this purpose all such stpes as modification of the Rules under the Electricity Act, 1910, enabling appreciably lower clearances than prescribed now, should be taken and the various Govts and authorities should exampt plant. other materials required for generation, transmission and distrubution of of electricity from Sales, Octroi and other similar taxes.

The Conference further expresses the hope that the problems of rural electrification will be energetically pursued by all interests concerned and that the Central Electricity Commission will collect and distribute information on the progress of rural electrification and evolve ecomomic designs and methods of construction and pass on the information to all the suthorities in the different parts of India.

RESOLUTION NO. VIII.

This conference is of the opinion that electricity being essentail for industrial and agricultural production, it is of the utmost importance that its consumption for such purpose be exempted form all forms of direct taxation including sales tax and octroi duties, especially as the cost of tenerating and distributing electrical energy will be substantially higher in future due to the abnormally increased costs of all plant, materials and construction.

Res....

RESOLUTION NO. IX

(i) This Conference having given careful consideration to the problem of 'interference' between power and telecommunication lines and installations and being of the opinion that with the increasing development of electric power and telecommunication facilities in India, conflict of interests in regard to the location of power and telecomminocation lines may arise more frequently in fiture,

RECOGNIZES the need for enunciating basic principles on which individual co-ordination problems should be solved and accordingly formulate the following pronciples:.

(a) Both power and telecommunication services are essential to the life of the community.

(b) In the interest of satisfactory and economical service to the public, the power and communication authorities should jointly evolve agrees general menthods of co-ordination in regard to the location, construction and maintenance of power and telecomminication lines and installations.

(c) In individual cases, where general co-ordination methods are considered insufficient, special measures to meet the situation have to be undertaken on order to prevent or at least minimise the effects of interference.

(ii) This Conference considers it desirable that a suitable mechinery should be established for evolving satisfactory co-ordination methods bases on the Resolution (i) and for achieving this object, recommend to the Government of Inida, that:

(a) A Central Standing Committee of co-ordination should be established.

(b) The Committee will consist of:

(i) 3 power Engineers,

(ii) 3 Telecommunication Engineers,

(iii) One representative each form the Ministries of communications & works, Mines and Power,

Iv) Not more than two representatives of the Ministry of Finance.

This Committee shall be competent to co-opt additional members for specific purposes as may be necessary from time to time.

(c) The Committee will study the existing rules and regulations issued on the subject by competent authorities and suggest what modifications, if any, are called for in the light of present day researches and developments and international pracitces.

(d) The Committee will initiate and undertake scientific and field studies associated with the problem of co-ordination.

(e) This Committee will examine and study all individual co-ordination cases and recommend measures to be undertaken.

(f) The Committee may seek the assistance of the Engineering Branches of the Posts & Telegraphs Department, the Engineering Departments of the Central and Provincial Governments and other scientific organisations in India, such as, the Indian Institute of Science, Bangalore, and the Council of Scientific and Industrial Research, New Delhi, in carrying out various field studies and experiments.

(iii) In pursuance of Resolution(ii) above, this Conference recommends to the Government of India that

(a) In the first instance, the following may be nominated as members in the co-ordination Committee.

1.Shri N.H.Iengar.

2.Shri H.R.Bhatia

3.Shri V.R.Raghvan.

4-10 Nominations will be made by the Ministries of Communications W.M.P. & Finance.

(b) There will be two joint Secretaries, one from the posts and Telegraphs Directorate and the other from the Central Electricity Commission.

(c) The headquarteers of the Committee shall be at

Delhi and the Posts & Telegraphs Directorate will provide the necessary secretarial assistance.

(iv) In order to carry out field tests and incestigations by the various scientific bodies and the P & TDept. on behalf of the Committee, it is recommended that the Central, Provincial and State Government whose co-ordination problems are to be consdiered should provide in their annual budgest lump-sum grants as required.

RESULUTION NO. X.

This Conference views with concern the present serious shortageof technical personnal for the power supply industry and strongly submits that immediate steps be taken to producethe requisite personnel as expeditiously as possible and to this purpose.

(a) to augment and strengthen the existing polytechnic and under graduate technological university engineering clooeges and/rearch instituations with equipment and staff where necessary;

(b) to arrange for a practical course of training under competent supervision in the various power projects and industries under way in the country;

(c) to consider the question of admission to the Power Engineering Department under formation at the Indian Institute of Science to practising engineers with necessary academic qualifications;

(e) to arrange to send only senior practising engineers, who have made their mark, for training aboard in specific projects and subjectsand no-t the general apprenticeship training hitherto obtained, and that such personnel would form a pool at the Centre, from which various electricity authorities could draw.

(f) that a Standing Advisory Committee consisting of the following be immediately set up to go fully and further into this question.

Shri N.N.Tengar. (Chairman)
Dr.K.P.P.Menon
Shri G.Sundaram

Shri...

Shri S.A.Gadkary

Shri P.B.Advani

Shri S.S.Kumar.

Shri M.S.Thacker. (Secretary)

Telegrams:'CENTELEC'
Telephones: 580

MINISTRY OF WORKS? MINES & POWER
CENTRAL ELECTRICITY COMMISSION
'CLEREMONT' S i m à a -4

No. T. 30101 2nd March 1950

To

The Secretary to the Government of Bombay,
Public Works Deptt.
Bombay.

Dear Sir,

I have pleasure in sending you herewith a complimentary copy of the "Proceedings and Report-All India Power Engineers Conference " held at New Delhi. between February 21st and 25th, 1949.

2. It is regretted that due to various unforeseen circumstances, there had been considerable delay in the issue of this publication.

3.The publication contains a detailed account of the proceedings of the conference together with copies of all the technical papers presented by the Delegates.Some of the paers could not be discussed at the conference for want of time. As desired by the Chairman of the conference at the alose of the sessions, comments were received from the Delegates on these papers, which have been duly incorporated.In addition, I would specially like to draw your attention to pages 73 to 79 in which will be fround the Resolutions passed at the Conference together with an explanatory note and report of the action taken on these Resolutions as the end of December,1949.I would request that your Government should give their careful attention to the recommendations contained in the Resolutions of this fonference and endeavour to help the aims of the conference as far as possible. Particularly I would refer you to resolution No. VII on the Rural

Elect-.....

Electrification and Resolution No.VIII regarding exemption of sale of Electric Power from direct taxation.

4. I shall be grateful, if you will kindly acknowledge the reseipt of the Proceedings. Additional copies, if required, can be obtained form the Manager of Publications, Delhi.

Yours faithfully,

Sd/-

(M.N.IENGAR)

Chairman.

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El Br.(i) P.W.D.

Acknowledge under No.224/48-El(i) dated the March 1950.

Id/-
10/3/50

Id/-
10/3/50

KSG/14/7/56.